

ABSTRACT

The purpose of the present invention is to provide a shearing force reinforced structure of an existing RC structure body that can simply and surely ensure a predetermined pulling-out rigidity. Then a shearing force reinforced structure (1) of the invention is configured with: a side wall (W) of an existing reinforced concrete structure; shearing force reinforced members (20) arranged inside reinforced member insertion holes (10) with bottoms formed in a direction intersecting a major reinforcing bar of the side wall (W); and fillers (30) filled in the holes (10), wherein each of the shearing force reinforced members (20) is configured with a shearing force reinforcing bar (21), a plate head 23 and a ring head (22) respectively fixed at a base end and top end of the reinforcing bar (21) ; each of the holes (10) is formed at a general part (12) having an inner diameter larger than a reinforcing bar diameter of the reinforcing bar (21) and smaller than a width of the head (23), and a base end width broadening part (11) formed at a base end of the hole 10 and having a diameter larger than the width of the head (23). In accordance with such a shearing force reinforced structure and a shearing force reinforced member, it is enabled to simply and surely ensure a predetermined pulling-out rigidity.